



North Conway, NH

Advanced Upgrades Raise the Bar and Revenues

The North Conway Water Precinct's existing dewatering and septage receiving facilities were aged and becoming costly to operate and maintain. Close coordination with the water utility led to a creative design which helped enhance dewatering operations, decrease O&M costs, and reduce labor requirements. The expanded septage receiving and treatment capacity services the Northern NH region, helping to protect the Saco River watershed. The Precinct's facilities are now a showcase for successful and proactive infrastructure management and provide an example of how a new technology can be successfully evaluated and implemented.



Innovative, Holistic Design

Dual goals were achieved using a flexible, holistic design approach. Advanced dewatering technology, configured to a restricted footprint, replaced a costly maintenance-intensive chemical dewatering system. The upgrades not only improved operator maintenance efficiencies, but retrofit of the existing sludge storage tank provided needed septage storage capacity for new, high volume deliveries.



Destination Septage

The Precinct is now the largest septic receiving facility in the region. Bold updates transformed the septage receiving facility into a fully automated state-of-the-art facility greatly easing hauler use. The integration of rotary drum septage equipment is the first of its kind in New England. Duplex septage acceptance allows simultaneous discharge and processing. Increased septage revenue helped off-set costs of the CIP improvements.



Long-Term Sustainability

Upgrades to the dewatering and septage receiving systems promote environmentally friendly operations. Dewatering system improvements allow the Precinct to easily adapt to future environmental regulatory and landfill restrictions. Septage treated at the Precinct supports protection of the Saco River watershed. The new treatment systems play a lead role in responsible infrastructure management.



Cost Savings

The integration of new automated septage accounting software, increased septage traffic, along with the significant cost savings from chemical changes to the dewatering system, place the Precinct in good financial standing to achieve their long-term CIP goals. These cost-saving, revenue generating upgrades have also stabilized user rates.



Title Advanced Upgrades Raise the Bar and Revenues
Owner North Conway Water Precinct
Design Engineers Wright-Pierce
Contractor Penta Corporation